

**Remarks:**

Applicant's executed Power of Attorney (Revocation of Prior Powers) document is attached hereto. Applicant has carefully studied the final Examiner's Action mailed 03/10/2005, having a shortened statutory period for response set to expire 06/10/2005. The amendment appearing above and these explanatory remarks are believed to be fully responsive to the Action. Accordingly, this important patent application is now believed to be in condition for allowance.

Applicant responds to the outstanding Action by centered headings that correspond to the centered headings employed by the Office, to ensure full response on the merits to each finding of the Office.

***Elections/Restrictions***

Applicant acknowledges the withdrawal of method claims 37-41. Applicant has filed a continuation-in-part application including method claims.

***Claim Rejections – 35 U.S.C. § 112***

Applicant acknowledges the quotation of 35 U.S.C. § 112, first paragraph.

Claims 24-36 stand rejected under 35 U.S.C. § 112, first paragraph, because claims 24 and 27 include a recitation of subject matter not disclosed in the specification. This ground of rejection is rendered moot by the cancellation of claims 24-36. The new claims are carefully drafted and include no subject matter not disclosed in the specification as filed.

More particularly, the subject matter recited in claims 24 and 27 relating to the respective cross sectional areas of the main and additional windings now appears in the specification to provide antecedent basis for the claim terminology. No new matter is thereby added because said subject matter was recited in the claims as filed.

Applicant further acknowledges the quotation of 35 U.S.C. § 112, second paragraph.

Claims 24-36 stand rejected under 35 U.S.C. § 112, second paragraph, because claim 24 is indefinite. This ground of rejection is rendered moot by the cancellation of claims 24-36. The new claims are carefully drafted and in definite form.

The specification as filed is replete with grammatical errors. Accordingly, it has been revised in an effort to correct the most egregious of said errors.

Although the Office cited no references in the outstanding Office action, Applicant notes for the record that it was heretofore known to position an additional winding in series with a

capacitor and to position said additional winding and capacitor in parallel relation to a main winding.

Fig. 4 depicts a conventional single phase motor. Fig. 4 does not depict a Wanless motor because Wanless does not relate to single phase motors, nor does the Wanlass technology apply to any motor that produces less than five (5) horsepower.

The motors of Figs. 5 (multi-phase) and 6 are Wanlass designs. However, it was not known to position each additional winding in a reverse connection relative to its main winding so that current flowing through the additional winding would be in a direction opposite to that of the current flowing through the main winding. Nor was it known that the length of the additional winding should be different from the length of the main winding. The result of this non-obvious orientation is a substantial increase in the power factor and the efficiency of the motor. This results in more work being performed for the same fuel and energy cost or less fuel and energy cost to supply motors equipped with the inventive structure for the same amount of work.

Claims 42-50 are generic in that they do not recite a single phase or a multi-phase electric motor.

Claims 51-58 are directed to a single-phase motor as depicted in Fig. 8.

Claims 59-66 are directed to a multi-phase motor having a delta configuration as depicted in Fig. 9.

Claims 67-75 are directed to a multi-phase motor having a star configuration as depicted in Fig. 10.

### *Conclusion*

Applicant acknowledges that the outstanding Office action is a final action. A Request For Continued Examination and the appropriate fee therefore are enclosed herewith as a separate paper.

If the Office is not fully persuaded as to the merits of Applicant's position, or if an Examiner's Amendment would place the pending claims in condition for allowance, a telephone call to the undersigned at (727) 507-8558 is requested. Applicant thanks the Office for its careful examination of this important patent application.

Very respectfully,

SMITH & HOPEN

Dated: June 3, 2005

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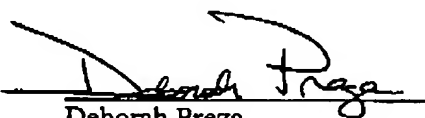
pc: Mr. Gerald Goche

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CERTIFICATE OF FACSIMILE TRANSMISSION  
(37 C.F.R. 1.8(a))

I HEREBY CERTIFY that this Amendment C, including Introductory Comments, Amendments to the Specification, Amendments to the Claims, and Remarks, is being transmitted by facsimile to the United States Patent and Trademark Office, Art Unit 2834, Attn: Mr. Tran N. Nguyen, (703) 872-9306, on June 3, 2005.

Dated: June 3, 2005

  
Deborah Preza